

2016 Defense Health Information Technology Symposium

Patient Portal(s) and Personal Health Record(s): What's the MHS Strategy?















DHA Vision



"A joint, integrated, premier system of health, supporting those who serve in the defense of our country."



Learning Objectives



- Explain how patient portals and personal health records contribute to the goals of patient engagement and patient empowerment
- Provide awareness of current portal and personal health record options for our beneficiaries today
- Describe the challenges facing the MHS to transition current capabilities to the desired future state
- Create a sense of urgency to develop a patient portal and personal health record strategy for the MHS
- Disclaimer/Disclosure
 - The opinions expressed by the speakers and panel members are not official policy of the DoD or the VA
 - Disclosures: none

Agenda



- The case for patient engagement
- Portals and Personal Health Records
 - OnLine Banking and Apps vs. Budgeting
- Current and near term systems
 - TRICARE Online
 - MiCare
 - VA's MyHealtheVet
 - MHS GENESIS offerings
- Panel: How to get from here to there?

































GENOMICS

Our genes can suggest what diseases we *might* be predisposed to, but it's an incomplete picture of human health.

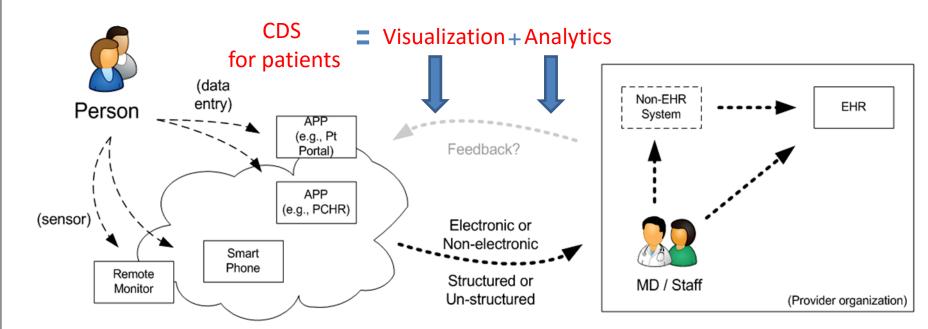
PHENOTYPE

A snapshot of the current state of health that can be used to prevent, diagnose and treat disease or improve health.

LIFESTYLE/ENVIRONMENT

External factors like diet, exercise, medications, microbiota and even where we live influence our metabolic state.

Patient-Generated Health Data FLOW DIAGRAM



Data Capture

Patient* directed / authorized Sometimes provider-requested

Data Transfer

Patient* directed / authorized Sometimes provider-requested

Review / Document

Provider directed / authorized

*Patient, person, designee Abbreviations: APP=application; PCHR=personally controlled health record; EHR=electronic health record

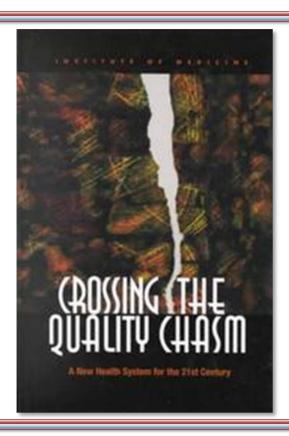
OnLine Banking, Turbotax®, and Quicken®



- Who uses online banking? How many accounts to you have? What can you do with them?
- Who uses an app to perform a financial mission? Does it have access to your financial data?
- Who uses a budgeting system? What data does it use? Can you "Count on [it] to help you manage your money"?
- Portals are access to YOUR data that THEY hold. Apps do work with the data. Budget systems need a whole picture: that's the PHR.

Personal Health Records (PHRs)

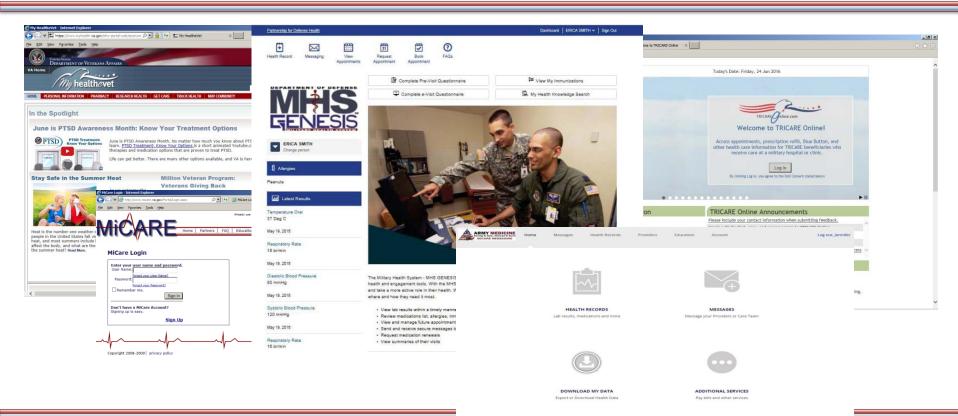




- More comprehensive records
- Access to trusted health education
- Convenient electronic services
- Patient engagement and activation
- Patient safety
- Self management/self care
- Medication reconciliation
- Wellness reminders
- Decision support
- Enhanced communication
- Patient and provider partnerships

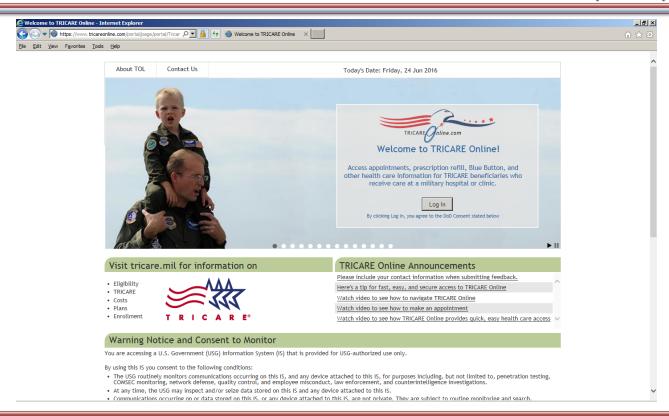
Current and Future Tools





TRICARE Online





TOL Main Capabilities



- Appointment Center Real time MTF appointment scheduling and canceling for you and your authorized family members
 - View/print future appointments
 - o Receive text and email appointment reminders
- Blue Button View, Download, or Print your DoD and VA personal health data
 - Outpatient Medication Profile, Allergy Profile, Outpatient Problem Lists, Outpatient Encounters, Laboratory Results, Radiology Reports, Vital Signs, and Immunizations
 - Child(ren) under 12 yrs. Immunization data available to parents
- Rx Refill Refill MTF prescriptions for you and your authorized family members
 - Include notifications and view/refill current prescriptions
 - Pharmacy Administration capability to customize messages and display of pharmacy information (e.g. hours of operation)

Have You Seen TOL Lately? Recent TOL Improvements



- Streamlined Access w/new Look, Feel, and Performance
- Appointment Center Enhancements
 - Single Account for Family Member Booking
 - Appointment Reminders Text and Email
 - Appointment Cancellations TOL and MTF
 - o Ability to book more than 2 concurrent appointments at a
 - View past and future appointments
 - Streamlined Appointment Visit Reasons from 24 to 7
- Blue Button
- Prescription (Rx) Refill Enhancements
 - Active Rx numbers available to select for refill
 - Rx pick notifications Text and Email
- Metrics Module
- Resource Center Consolidated access to TRICARE information and services
- Interactive Customer Evaluation (ICE) for feedback w/recommendations routinely made!
- Access Separations Health Assessments assistance
- Links to Nurse Advice Line (NAL), Secure Messaging, and other frequently visited sites





Next 18 Months Enhancements

Mobile Computing

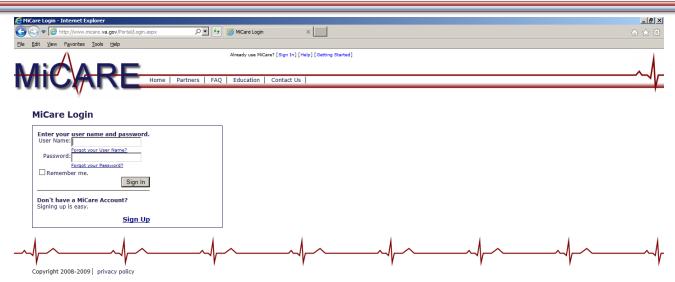
- App like design for mobile computing
- Incremental releases beginning with Appointing

Blue Button Expansion

- Expand viewing of Child(ren) under 12 yrs to all data categories
- Include Civilian partner information as part of the Virtual Lifetime Enterprise Record (VLER) improvements

MiCare- Madigan PHR System





MiCare PHR System Mechanics



- Establish beneficiary ID, register in PHR (HealthVault)
- Register beneficiary and provide instructions for accessing
 - o http://www.micare.us/
- Match patient in BHIE framework and indicate which PHR to feed information
- Assist beneficiary in registering dependents as requested
- CAC registration for service members
- Clinical information:
 - Allergies, active medications, immunizations, labs, rad results, appointments, inpatient/outpatient notes

How does it work? Why join?



- Requires Microsoft HealthVault account
- For feed from military records an ID card check
- Active Duty can join with their CAC card
- You can stop the feed at anytime
- Privacy/Sharing

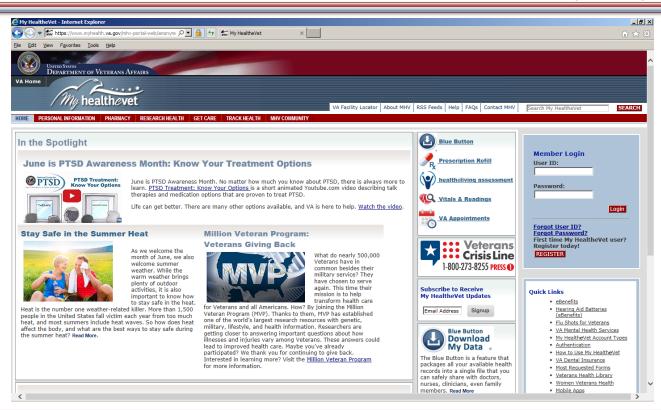
Path to Deployment



- MiCARE approved by the ASD(HA) in 2009
 - Memoranda of Agreement signed by OPM, MHS, MEDCOM with Microsoft and Google APR 2009
 - Interfaces and testing complete May 2009
- Marketing to Beneficiaries
 - Speaking at Family Readiness Groups, Line Command Meetings, Retiree Health Fair
 - Booths at the hospital and military Post Exchange
 - o Article in the Installation newspaper
 - Local radio talk show sessions during their dedicated military program
- Initial enrollment was 500, has since grown to 12,347
- Over a thousand hits a month on the site
- Beneficiary feedback has been very positive, the most enjoy: discreet ability to share data, the speed of obtaining copies of health information, and the ability to manage access such as medical power of attorney/surrogate use

VA's MyHealtheVet





Features



- Personal Health Record
- VA Appointments and Email Reminders
- Prescription Refills and Delivery Tracking
- Secure Messaging
- Access to data from the VA Electronic Health Record (EHR)
- VA Blue Button Feature
- VA OpenNotes
- VA Health Summary
- Healtheliving Assessment
- Veterans Health Library





Statistics





- 3.6 million registered users
- 2.1 million Premium users (authenticated VA patients)
- 1.8 million VA patients opted in to use Secure Messaging
- 83 million VA prescription refills since August 2005
- 1.4 million unique VA Blue Button feature users
- 448,058 total unique VA Health Summary users (~34,000 per month)

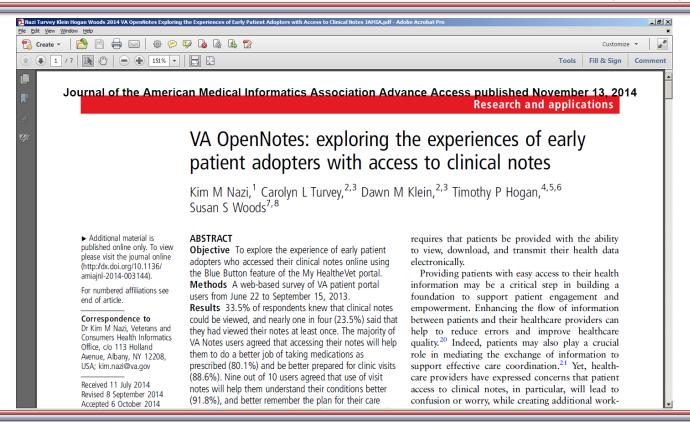
Patient mediated exchange pilot



- CCDA (Health Summary) successfully transmitted, received, and added to recipient's EHR at 4 partner community organizations: lowa (Guttenberg, Cornerstone Family Practice), Kansas (Hutchinson Clinic), Kansas (Hutchinson Regional Medical Center), Minnesota – (Brainerd, Essentia Health)
- Providers and patients supportive of electronic transmission
- Workflow:
 - Used an organizational Direct address for patients to send to
 - Messages processed by IT or HIM staff (not clinicians)
 - Training needed to inform community providers of how to locate information in EHR
 - Once the CCDA was located, the community providers navigated the CCDA easily

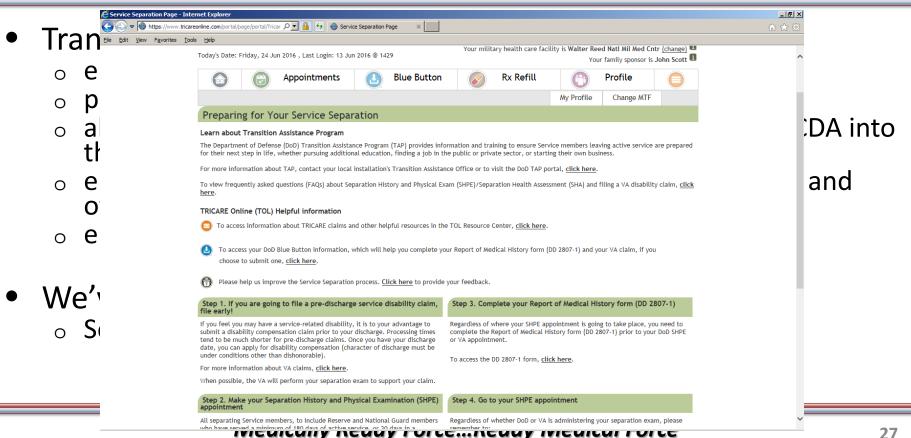
VA Open Notes Experience





What if...





MHS GENESIS: Patient Portal





Cerner Patient Portal



| | | | 2016 Defense Health Information Technology Symp |
|----------|----------------------|--|---|
| <u> </u> | Results | CAT ZTEST Change person | |
| \$ | Pathology Results | Change person | |
| 美 | Radiology Results | Orthopaedic Clinic Note | Download |
| | Reports & Documents | Testing to see if unread message banner bar indicator increments for new note | |
| ŝ | Clinic Notes | Date Created: May 26, 2016 | |
| | Future Orders | Ambulatory Patient Education Date Created: May 17, 2016 | Download |
| 0, | Medications | | |
| faith . | Immunization History | Letter to Patient Date Created: May 12, 2016 | Download |
| • | Wellness Tools | Dermatology Clinic Note | Download |
| ê | Procedures | testing note notification | Dominical |
| • | Download & Send | Date Created: May 11, 2016 | |

CHALLENGES + SIGN UP CAPTAIN CHALLENGE BJ/LAUREN NUTRITION CHALLENGE **MHS GENESIS:** Captain Challenge - Week 1 of 2 My Progress No Tasks View Challenge **Health & Wellness Portal** Goal: 150 minutes of exercise a week (300 total) Start: 6/14/16 End: 6/28/16, 11:59:59 PM Days Left: 11 Team: scuba nerds My Total: My Total Pace Minutes of Exercise 75 150 225 300 Member Information Minutes Username: bjtesting test Full Name: BJ Testing Email Address: blah@test.com Cell Phone: 401-533-4540 Mobile Credentials Age: 76 Profile Culture: English - United States Temp Account: N Messages Inbox Sent Trash New Message Inbox - from bitesting Status Subject Sent Do I need to see a doctor? 5/3/2016 9:43:01 AM delete reply Coaching Conditions Weight Management Smoking Management Physical Activity Management Chronic Neck Pain □ Joint Pain Diabetes Stress Management ▼ 80s Power Ballads ✓ Back Pain Management Dog ate trash Sinus Infection Currently Enrolled **End Date** Condition **Start Date** Weight Management 6/9/2015 4/28/2016 Smoking Management 7/27/2015 - still enrolled -Complete Remove 80s Power Ballads 11/16/2015 - still enrolled -Complete Remove **Back Pain Management** 1/4/2016 - still enrolled -Complete Remove Dog ate trash 5/21/2015 6/9/2015 Sinus Infection 4/28/2016 - still enrolled -Complete Remove Not Set Session Summary



Benefits of Merging Patient Engagement Suite of Tools



- Current state:
 - Components of patient portal: appointments, RX, records, secure messaging, etc.
 - Disjoined
 - Lacks a portal look and feel
 - Sign on issues
- Interim state:
 - Propose modifications to make a single outreach/communication patientfacing functionality for clear, concise and unified outreach to largest user population – MHS Patient Portal
- Future state (2022)
 - Cerner Patient Portal Prepares for transition to modernized EHR functionality

Current TRICARE Online Web Presence



Current homepage requires three screens to reach portal



Proposed TRICARE Online Web Presence



- Less wording and clutter
- Self explanatory with cleaner design



Next Steps



- One brand for all tools
- Building the new look, feel, and style of web presence
- Develop outreach plan
- Streamlined access to system
 - Move towards single sign-on
 - New SM Contract supports DMDC login

Key Takeaways



- The MHS patient portal is in transition
 - Efforts are underway to improve the patient experience
 - A common portal with linkage to all available tools is planned
- There is no enterprise MHS Personal Health Record now
 - The MiCare PHR systems will transition
 - The Relay Health PHR will transition
 - The MHS GENESIS Patient Portal does not yet have a true PHR
- The Patient Experience Work Group will represent the functional community in strategy development

Panel: Getting from here to there



- Dr. Terry Newton, Army PEWG member, TSWAG leader
- Dr. Kim Nazi, VHA's Office of Connected Care
- Mr. Jim Copeland, TOL Program Office
- Mr. Richard Barnhill, WRMC CMIO's Office

Questions?



Evaluations



Please complete your evaluations

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